

Network Management Card 3 (NMC 3) Firmware v2.5 for Smart-UPS & 1-Phase Symmetra Release Notes

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The Smart-UPS and 1-Phase Symmetra application firmware v2.5 release notes apply to the following NMC cards:

- **AP9640 UPS Network Management Card 3**
- **AP9641 UPS Network Management Card 3**
- **AP9643 UPS Network Management Card 3**

Affected Revision Levels

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Component	File	Details
Smart-UPS Application	apc_hw21_su_2-5-0-6.nmc3	UPS Application for Smart-UPS, Smart-UPS RT, Smart-UPS VT, MGE Galaxy 3500
Symmetra Application	apc_hw21_sy_2-5-0-3.nmc3	UPS Application for 1-Phase Symmetra, Symmetra LX.

For details on upgrading the UPS Network Management Card 3 (NMC 3) firmware, see the [User Guide](#) on the APC website. **NOTE:** If you upgrade to firmware version 2.0 or later, you cannot downgrade to a firmware version lower than 2.0.



If you downgrade from firmware version 2.4+ or later to a firmware version lower than 2.4, this will cause the card to be formatted, erasing all security certificates, encryption keys, configuration settings, and the event and data logs.

Schneider Electric Device IP Configuration Wizard

The Device IP Configuration Wizard is a Windows application designed specifically to remotely configure the basic TCP/IP settings of Network Management Cards. The Wizard runs on Windows® Server 2012, Windows Server 2016, Windows Server 2019, Windows 8.1, and Windows 10. This utility is for IPv4 only.

NOTES:

- In firmware version v1.4.x and higher, it is not supported to assign IP addresses to Network Management Cards using the Wizard.
- You cannot search for assigned devices already on the network using an IP range unless you enable SNMPv1 and set the **Community Name** to “public”. For more information on SNMPv1, see the [User Guide](#).
- When the NMC IP address settings are configured, to access the NMC Web UI in a browser, you must update the URL from http to https.

The Wizard is available as a free download from the APC website at www.apc.com:

1. Go to <https://www.apc.com/shop/us/en/tools/software-firmware> and click **Show More** from the list of checkboxes in **Filter by > Software / Firmware**.
2. Select **Wizards and Configurators** to view the list of utilities available for download.
3. Click the Download button to download the **Device IP Configuration Wizard**.

New Features

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New Feature	UPS Family	
	Smart-UPS	1-Phase Symmetra
SNMPv1 and SNMPv3 port numbers are now configurable.	◆	◆
Security Updates <ul style="list-style-type: none">The default value for Bad Login Attempts is now 5. In previous firmware versions, it was 0 (unlimited).If the number of Bad Login Attempts is exceeded, the user account will be locked out for 1 hour, or until the Super User or other admin-level account unlocks the account.The Web UI now reports "Invalid username or password" instead of "Account locked out" if the number of Bad Login Attempts is exceeded.These security updates affect all user accounts, including the Super User.	◆	◆
Dell VxRail Support <p>Support added for Dell VxRail for PowerChute Network Shutdown 4.5 or higher.</p>		◆

Miscellaneous

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Recovering from a Lost Password

See the [User Guide](#) on the APC website for instructions on how to recover from a lost password.

Event Support List

To obtain the event names and event codes for all events supported by a currently connected APC device, first retrieve the config.ini file from the attached NMC. To use SCP to retrieve config.ini from a configured NMC:

1. Open a connection to the NMC, using its IP Address:
`scp <admin_username>@<ip_address>:config.ini <filename_to_be_stored>`
2. Log on using the Administrator user name and password
3. Retrieve the config.ini file containing the settings of the NMC of the UPS:
`ftp > get config.ini`

The file is written to the folder from which you launched SCP.

In the config.ini file, find the section heading [EventActionConfig]. In the list of events under that section heading, substitute 0x for the initial E in the code for any event to obtain the hexadecimal event code shown in the user interface and in the documentation. For example, the hexadecimal code for the code E0033 in the config.ini file (for the event "System: Configuration change") is 0x0033.

PowerNet MIB Reference Guide

NOTE: The [MIB Reference Guide](#) on the APC website explains the structure of the MIB, types of OIDs, and the procedure for defining SNMP trap receivers. For information on specific OIDs, use a MIB browser to view their definitions and available values directly from the MIB itself. You can view the definitions of traps at the end of the MIB itself (the file powernet441.mib on the APC website, www.apc.com).

Hash Signatures

Signatures	apc_hw21_su_2-5-0-6.exe	apc_hw21_sy_2-5-0-3.exe
CRC32	F8E22A16	FD350429
CRC64	9EE5E803F84A30D0	2D3E12837A5AFB34
SHA-256	9534F80631CF760F7C725446A8EEAECCA7DC F59302103E46C1E6DB9BD7B487E3	DA456C31CBA96971F5DC12D3B5B6B7A8F033 2A5A9012DA513667BAAB120AD25B
SHA-1	1A8A2F7E0942D4500CDE375D4E7C5CAEFA5E 7120	244DA6048A587BA78CB991F3AA97BBFE84205 089
BLAKE2sp	7BE54C58D5C4B84ACADEE7A2A5EBB0986EF B19A958CCC0A7A4584E5E9EAF478B	D478080AD2A59FBBAAA9F0E95F404BA752B8 E57E841F149654E16802F636EB58

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